

CLAIMS

What is claimed is:

1. A vehicle intake manifold assembly comprising:
a housing;
a plenum movable within said housing;
a deformable runner passage which communicates between said plenum and an engine cylinder, said deformable runner passage deformable to define an effective runner length; and
a drive system to selectively move said plenum within said housing to deform said deformable runner passage and vary said effective runner length.
2. The vehicle intake manifold assembly as recited in claim 1, wherein said deformable runner passages comprises a tubular member.
3. The vehicle intake manifold assembly as recited in claim 1, wherein said deformable runner passages comprises a flexible section.
4. The vehicle intake manifold assembly as recited in claim 1, wherein said housing supports said plenum for movement along an axis.
5. The vehicle intake manifold assembly as recited in claim 1, wherein said housing supports said plenum for movement along a curved path.
6. The vehicle intake manifold assembly as recited in claim 1, wherein said housing provides a resonance chamber for an active noise cancellation system.

7. A method of adjusting an effective runner length of a continuously variable vehicle intake manifold assembly comprising the steps of:

(1) selectively moving a plenum within a housing to deform a deformable runner passage and adjust an effective runner length between the plenum and an engine cylinder.

8. A method as recited in claim 7, further comprising the step of:
moving the plenum along an arcuate path.

9. A method as recited in claim 7, further comprising the step of:
moving the plenum along a linear path.